



PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM	Books
Search PubMed	for						Go	Clear
Limits Preview/Index History Clipboard Details								

Display	Abstract	Sort	Save	Text	Clip Add	Order
---------	----------	------	------	------	----------	-------

Entrez
PubMed

1: Mol Cell Endocrinol 1997 Dec 12;135(2):139-45

Related Articles, [NEW](#) Links

ELSEVIER SCIENCE
FULL-TEXT ARTICLE

The thyroid hormone down-regulates the mouse alpha-foetoprotein promoter.

Caturla M, Van Reeth T, Dreze P, Szpirer J, Szpirer C.

PubMed
Services

Universite Libre de Bruxelles, Departement de Biologie Moleculaire,
Rhode-St-Genese, Belgium.

Related
Resources

The thyroid hormone (T3) was shown to down regulate the level of alpha-foetoprotein (AFP) mRNA in hepatoma cells HepG2. Recombinant plasmids containing segments from the mouse AFP gene promoter were transfected in HepG2 cells and transient expression assays showed that the T3 inhibitory effect depends on the sequence limited by positions -80 and -38, upstream from the TATA box. This sequence is able to confer T3 sensitivity to a heterologous promoter and contains a putative T3-responsive element, as well as likely CEBP- and HNF1-responsive elements. These observations suggest that T3 is a good candidate for hormonal control of the AFP gene expression and especially for the neonatal shut off of the gene.

PMID: 9484909 [PubMed - indexed for MEDLINE]

Display	Abstract	Sort	Save	Text	Clip Add	Order
---------	----------	------	------	------	----------	-------

[Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)
[Department of Health & Human Services](#)
[Freedom of Information Act](#) | [Disclaimer](#)

i686-pc-fmrx-gnu Aug 30 2002 15:17:13